

Pooled sequencing of HLA-B2705 eluted peptides

The yield in pmol of amino acid residues in each sequencing cycle of Edman degradation is shown.

The yields for the expected motif vix. arginine at position 2 and tyrosine, phenylalanine or leucine at position 9 are shown in bold.

IN THE CLAIMS:

Please cancel claims 1-7 and 9 without prejudice or disclaimer of the subject matter thereof and please amend claims 8, 10-11, 14-15, 18, 21-22 and 26 as follows:

8. (Amended) A method of preparing a culture medium containing serum suitable for production in cells of a first protein in a class of proteins, the culture medium being deficient in a second protein in a related class, the second protein normally present in the serum and capable of interfering with the purification of the first protein; the steps of the method comprising:

(A) selecting a culture medium containing serum;

(B) subjecting the culture medium containing serum to an affinity chromatography step so as to provide a flow through, the flow through being deficient in the interfering second protein, wherein said affinity chromatography step is perfusion chromatography; and

(C) utilizing the flow through as a culture medium containing serum deficient in said second protein for production of the first protein by cells.

10. (Amended) A method according to claim 8, wherein step (b) further comprises completing the affinity chromatography step within 24 hours.

11. (Amended) A method according to claim 8, wherein step (b) further comprises completing the affinity chromatography step within 12 hours.

14. (Amended) A method according to claim 8, wherein the chromatography step includes subjecting the culture medium containing serum to a perfusion chromatography column having a second protein binding ligand attached thereto.

15. (Amended) A method according to claim 8, wherein step (c) further comprises, the step of sterilizing the culture medium containing serum deficient in said second protein.

18. (Amended) A method for obtaining a purified cell culture product comprising:

- (A) selecting a serum supplement and a nutrient medium suitable for cell culture;
- (B) combining the serum supplement with the nutrient medium to form a mixture;
- (C) subjecting the mixture to a chromatography step so as to remove a compound capable of interfering with the preparation of the cell culture product, the chromatography step comprising perfusion chromatography and providing an eluant, and
- (D) obtaining the purified cell culture product from cells grown or maintained in the eluant.

21. (Amended) A method according to claim 18, wherein the chromatography step includes subjecting the mixture to a perfusion chromatography column having a compound binding ligand attached thereto.

22. (Amended) A method according to claim 18, wherein step (c) further comprises the step of sterilizing the eluant.

26. (Amended) A method according to claim 18, wherein the cell culture product is a growth factor.

Please add the following new claim 31: